

POSITIONING PILOT VALVE

Model PBLX

This multi-purpose, direct acting, 3-Way positioning pilot is actuated by a pressure responsive diaphragm, which tends to reach equilibrium with the set spring force.

The pilot directs flow and pressure between its ports:

- When sensed pressure is above set point, it connects port "0" to "3".
- When sensed pressure is equal to set point, it blocks connections between all ports.
- When sensed pressure is below set point, it connects port "3" with "2".

Features

- High Accuracy
- Transparent pressure reducing valve: Fully open at low inlet pressure
- Transparent pressure sustaining valve: Fully open at high inlet pressure

Typical Applications

- Pressure reducing in municipal pressure management and irrigation systems
- Pressure sustaining in automatic filtration systems
- Adjustable hydraulic relay (N.O. or N.C.)
- Automatic regulation override (feature 09)

Technical Data

Pressure Rating: 400 psi

Water Temperature Range: 32-180 °F

Flow Factor:

Ports "0" to "3": Cv 0.42

Ports "3" to "2": Cv 0.42

Height (H): 8.27 Inch

Width (W): 3.74 Inch

Weight: 6 Lbs

Standard Materials:

Body: Stainless Steel

Cover: Stainless Steel 316

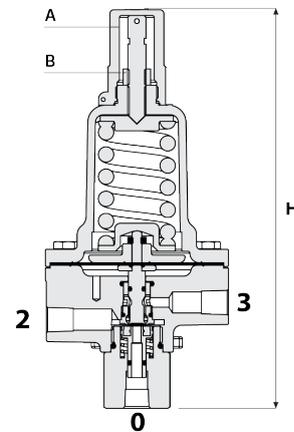
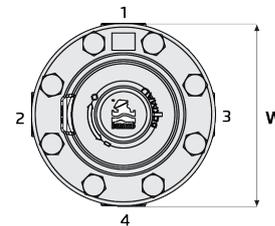
Elastomers: NBR / SBR

Internal Parts: Stainless Steel, Brass & POM-C

Spring: Stainless Steel

Adjustment Range:

Spring	Setting range
16	15-230 psi



Part	Description
A	Adjusting screw
B	Locking nut

Port	Size	Connections
0	¼" NPT	Upstream for reducing, vent for sustaining
1/4	¼" NPT	Remote sensing or pressure gauge
2	¼" NPT	Vent for reducing, upstream for sustaining
3	¼" NPT	Valve Control Chamber

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